

Name: \_\_\_\_\_

Date: \_\_\_\_\_

# Solar Oven Investigation

## Collaborate:

- 1.) Work in a group. Use the aluminum foil to cover the inside of the flap cut in a pizza box. Make sure the shinier side of the foil is showing. Tape the foil in place.
- 2.) Open the box and cover the inside bottom with foil. Tape the foil in place. Tape sheets of black paper over the foil bottom so the foil is covered.
- 3.) Tape plastic wrap across the inside of the pizza box lid so it forms a tight seal over the flap opening.

## Measure:

Place a thermometer in the box. Record the temperature. Put the oven outdoors and adjust the flap so that it reflects sunlight onto the thermometer. (3 points)

Elapsed Time	Temperature °F
Initial Temperature	
One hour	
Two hours	

## Conclusion:

- 1.) What might happen to a slice of cheese placed in your solar oven? (2 points)

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- 2.) During what season of the year will your solar oven work best? (2 points)

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- 3.) What are the good things and bad things about using a solar oven to cook food? (3 points)

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POINTS: \_\_\_\_\_ 10